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-> b reg
FILE 'REGISTRY' ENTERED AT 17:48:05 ON 03 NOV 2008
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STRUCTURE FILE UPDATES:    2 NOV 2008  HIGHEST RN 1070028-20-4
DICTIONARY FILE UPDATES:   2 NOV 2008  HIGHEST RN 1070028-20-4

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experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

-> d que sta l9
L5                  STR

  4
 G1
  |
  |
 Hy~Hy~Cb
1     2   3


VAR G1=O/S
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E3 C  E2 N  AT   1
ECOUNT  IS E4 C  E2 N  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   4

STEREO ATTRIBUTES: NONE
L7        41513 SEA FILE=REGISTRY ABB=ON  PLU=ON  (NCNC3 AND N2C3)/ES
L9          112 SEA FILE=REGISTRY SUB=L7 SSS FUL L5

100.0% PROCESSED   34997 ITERATIONS                          112 ANSWERS
SEARCH TIME: 00.00.02



-> d que sta l17
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L2             1 TRANSFER  PLU=ON  L1 1- RN :      13 TERMS
L3            13 SEA FILE=REGISTRY ABB=ON  PLU=ON  L2
L5                STR

  4
 G1
  |
  |
 Hy~Hy~Cb
1     2   3


VAR G1=O/S
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E3 C  E2 N  AT   1
ECOUNT  IS E4 C  E2 N  AT   2
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   4

STEREO ATTRIBUTES: NONE
L7          41513 SEA FILE=REGISTRY ABB=ON  PLU=ON  (NCNC3 AND N2C3)/ES
L9            112 SEA FILE=REGISTRY SUB=L7 SSS FUL L5
L10             8 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 AND L3
L11           104 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 NOT L10
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VAR G1=O/S
NODE ATTRIBUTES:
NSPEC   IS RC    AT   5
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E3 C  E2 N  AT   1
ECOUNT  IS E4 C  E2 N  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   5

STEREO ATTRIBUTES: NONE
L17           24 SEA FILE=REGISTRY SUB=L11 SSS FUL L15

100.0% PROCESSED     104 ITERATIONS                          24 ANSWERS
SEARCH TIME: 00.00.01


-> d que sta l30
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L3            13 SEA FILE=REGISTRY ABB=ON  PLU=ON  L2
L5               STR
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VAR G1=O/S
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E3 C  E2 N  AT   1
ECOUNT  IS E4 C  E2 N  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   4

STEREO ATTRIBUTES: NONE
L7          41513 SEA FILE=REGISTRY ABB=ON  PLU=ON  (NCNC3 AND N2C3)/ES
L9            112 SEA FILE=REGISTRY SUB=L7 SSS FUL L5
L10             8 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 AND L3
L11           104 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 NOT L10
L15               STR
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VAR G1=O/S
NODE ATTRIBUTES:
NSPEC   IS RC     AT   5
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E3 C  Z2 N  AT   1
ECOUNT  IS E4 C  Z2 N  AT   2

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   5

STEREO ATTRIBUTES: NONE
L17           24 SEA FILE=REGISTRY SUB=L11 SSS FUL L15
L28           88 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 NOT L17
L29            8 SEA FILE=REGISTRY ABB=ON  PLU=ON  L28 AND L3
L30           80 SEA FILE=REGISTRY ABB=ON  PLU=ON  L28 NOT L29


=> b hcap
FILE 'HCAPLUS' ENTERED AT 17:48:28 ON 03 NOV 2008
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FILE COVERS 1907 - 3 Nov 2008  VOL 149 ISS 19
FILE LAST UPDATED: 2 Nov 2008  (20081102/ED)

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

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L20 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:1037080 HCAPLUS
DN 142:23302
TI Preparation of oxopyrazolylpyrimidines as agrochemical and industrial fungicides.
IN Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Strathmann, Siegfried; Schoefl, Ulrich; Scherer, Maria; Stierl, Reinhard
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO--2004103978	A1	20041202	2004WO-EP0004957	20040510
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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	CA-----2525762	A1	20041202	2004CA-002525762	20040510
	EP-----1633728	A1	20060315	2004EP-000731893	20040510
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	BR--2004010482	A	20060613	2004BR-000010482	20040510
	CN-----1791583	A	20060621	2004CN-080013983	20040510
	JP--2007502846	T	20070215	2006JP-000529768	20040510
	MX-2005PA11549	A	20051215	2005MX-PA0011549	20051027
	US-20070054929	A1	20070308	2005US-000555894	20051107
	IN---200503444	A	20070406	2005IN-000003444	20051219
PRAI	2003DE-100023026	A	20030520		
	2004WO-EP0004957	W	20040510		

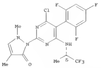
OS MARPAT 142:23302
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I, n = 1-5; L = halo, cyano, cyanato, NO2, alkyl, alkenyl, alkynyl, alkoxy, etc.; R1 = alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, halocycloalkyl, haloalkenyl, haloalkynyl; R2 = H, R1; R1R2N = atoms to form 5-6 membered ring which may contain O, CO, S, SO, SO2 groups; R3 = halo, cyano, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy; R4 = RcZCO(RaRbN)N, Q1; m = 0, 1; Ra-Rc = H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl; Z = O, NRc; Y = CHRe, CRe, NNHRc, NRc; dotted line = optional double bond; R, Re = Rc, halo, cyano, CRd = CO], were prepared as agrochem. and industrial fungicides (no data). Thus, hydrazone (II) (preparation given) was stirred overnight with NaOMe in MeOH to give 55% title compound (III).
IT 800381-76-4P
RL: AGR (Agricultural use), BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Preparation of oxopyrazolylpyrimidines as agrochem. and industrial fungicides.)
IT 800381-75-3P 800381-77-5P 800381-78-6P
800381-79-7P 800381-80-0P 800381-81-1P
800381-82-2P

L20 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RL: AGR (Agricultural use), BSU (Biological study, unclassified), BUU (Biological use, unclassified), SPN (Synthetic preparation), BIOL (Biological study), PREP (Preparation), USES (Uses)
(prepn. of oxopyrazolylpyrimidines as agrochem. and industrial fungicides)
IT 800381-76-4P
RL: AGR (Agricultural use), BSU (Biological study, unclassified), BUU (Biological use, unclassified), SPN (Synthetic preparation), BIOL (Biological study); PREP (Preparation), USES (Uses)
(Preparation of oxopyrazolylpyrimidines as agrochem. and industrial fungicides.)
RN 800381-76-4 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1,2-dihydro-1,4-dimethyl- (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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AN 2005:1241187 HCAPLUS
DN 144:6804
TI Preparation of 4,5-disubstituted-2-aryl pyrimidines as C5a receptor ligands
IN Maynard, George D.; Ghosh, Manuka; Yuan, Jun; Currie, Kevin S.; Mitchell, Scott; Guo, Qin; Zhao, He
PA Neurogen Corporation, USA
SO PCT Int. Appl., 216 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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	US-20050277654	A1	20051215	2005US-000123755	20050506	<--
	EP-----1745033	A2	20070124	2005EP-000746687	20050506	<--
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	JP--2007536263	T	20071213	2007JP-000511645	20050506	<--
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PRAI	2004US-00569222P	P	20040508	<--		
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OS MARPAT 144:6804
GI


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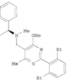
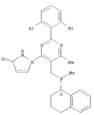

II

AB Title compds. I [Ar = mono-, di-, or tri-substituted Ph, (un)substituted naphthyl or heteroaryl; R1 = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R2 = OH, CHO, (un)substituted alkyl, etc.; R3 = (un)substituted aryl, cycloalkyl, arylalkyl, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed as C5a receptor ligands. Thus, e.g., II was prepared by substitution of 2,4-dichloro-5-chloromethyl-6-methylpyrimidine (preparation given) with (1S)-methyl-(1,2,3,4-tetrahydronaphthalen-1-yl)amine followed by substitution of the 4-chloro group with methanol and coupling with

2,6-diethylphenylboronic acid. Preferred compds. of the invention bind to C5a receptors with high affinity and exhibit neutral antagonist or inverse activity at C5a receptors. I exhibited IC50 values of 2 µM or less in calcium immobilization assays. The present invention also relates to pharmaceutical compns. comprising such compds., and to the use of such compds. in treating a variety of inflammatory, cardiovascular, and immune system disorders. In addn., the present invention provides labeled 4,5-disubstituted-2-arylpyrimidines, which are useful as probes for the localization of C5a receptors.
IT 869889-34-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of disubstituted arylpyrimidines as C5a receptor ligands)
RN 869889-34-9 HCAPLUS
CN 3H-Pyrazol-3-one, 1-[2-(2,6-diethylphenyl)-6-methyl-5-[[methyl[(1S)-1,2,3,4-tetrahydro-1-naphthalenyl]amino]methyl]-4-pyrimidinyl]-1,2-dihydro- (CA INDEX NAME)

Absolute stereochemistry



AN 2004:1037080 HCAPLUS
DN 142:23302
TI Preparation of oxopyrazolylpyrimidines as agrochemical and industrial fungicides
IN Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Strathmann, Siegfried; Schoefl, Ulrich; Scherer, Maria; Stierl, Reinhard
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

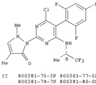
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO--2004103978	A1	20041202	2004WO-EP0004957	20040510
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MA, NE, SN, TD, TG				
	AU--2004240717	A1	20041202	2004AU-000240717	20040510
	CA-----2525762	A1	20041202	2004CA-002525762	20040510
	EP-----1633728	A1	20060315	2004EP-000731893	20040510
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	BR--2004010482	A	20060613	2004BR-000010482	20040510
	CN-----1791583	A	20060621	2004CN-080013983	20040510
	JP--2007502846	T	20070215	2006JP-000529768	20040510
	MX-2005PA11549	A	20051215	2005MX-PA0011549	20051027
	US-20070054929	A1	20070308	2005US-000555894	20051107
	IN---200503444	A	20070406	2005IN-000003444	20051219
PRAI	2003DE-100023026	A	20030520		
	2004WO-EP0004957	W	20040510		

OS MARPAT 142:23302
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

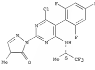
AB Title compds. [I; n = 1-5; L = halo, cyano, cyanato, NO2, alkyl, alkenyl, alkynyl, alkoxy, etc.; R1 = alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, halocycloalkyl, haloalkenyl, haloalkynyl; R2 = H, R1; R1R2N = atoms to form 5-6 membered ring which may contain O, CO, S, SO, SO2 groups; R3 = halo, cyano, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, R4 = RcZCO(RaRbN)N, Q1, m = 0, 1, Ra-Rc = H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, Z = O, NRc, Y = CHRe, CRe, NNHRc, NRc; dotted line = optional double bond; R, Re = Rc, halo, cyano; CRd = CO], were prepared as agrochem. and industrial fungicides (no data). Thus, hydrazone (II) (preparation given) was stirred overnight with NaOMe in MeOH to give 55% title compound (III).
IT 800381-76-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Preparation of oxopyrazolylpyrimidines as agrochem. and industrial fungicides.)
RN 800381-76-4 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1,2-dihydro-1,4-dimethyl- (CA INDEX NAME)

Absolute stereochemistry.



IT 800381-75-3P 800381-77-5P 800381-78-6P
800381-79-7P 800381-80-0P 800381-81-1P
800381-82-2P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of oxopyrazolylpyrimidines as agrochem. and industrial fungicides)
RN 800381-75-3 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-2,4-dihydro-4-methyl- (CA INDEX NAME)

Absolute stereochemistry.



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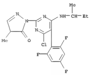

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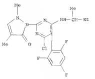

RN 800381-79-7 HCAPLUS
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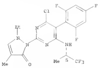
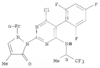
Absolute stereochemistry

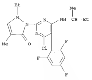


RN 800381-80-0 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1,2-dihydro-4-methyl-1-propyl- (CA INDEX NAME)

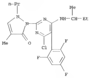
Absolute stereochemistry



RN 800381-81-1 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[(1-methylpropyl)amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1-ethyl-1,2-dihydro-4-methyl- (CA INDEX NAME)

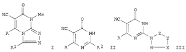


RN 800381-82-2 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[(1-methylpropyl)amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1,2-dihydro-4-methyl-1-propyl- (CA INDEX NAME)



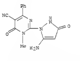
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:527371 HCAPLUS
DN 142:74522
TI Reaction of pyrimidinonethione derivatives: Synthesis of N-methyl-2-hydrizinopyrimidine-4-one, triazolo[4,3-a]-N-methylpyrimidinone, 2-(1-pyrazolonyl)-N-methylpyrimidine-4-one and 2-hydrazino-N-methylpyrimidine-4-one derivatives
AU Al-Shara'ey, Abdullah A Al-Karim
CS Department of Chemistry, Faculty of Science, Taiz University, Taiz, Yemen
SO Journal of the Chinese Chemical Society (Taipei, Taiwan) (2004), 51(3), 547-552
CODEN: JCCTAC; ISSN: 0009-4536
PB Chinese Chemical Society
DT Journal
LA English
OS CASREACT 142:74522
GI

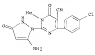


I II III

AB 1,2,4-Triazolo[4,3,a]pyrimidinone derivs. I (R = Ph, C6H4-4-Cl, 2-furyl; R1 = H, Me), pyrimidinone hydrazine derivs. II (R = Ph, C6H4-4-Cl, 2-furyl, R2 = NHNH2, NHN:CHPh) and pyrazolylpyrimidinone derivs. III [R = Ph, C6H4-4-Cl, 2-furyl, W-X-Y-Z = -C(NH2):CHCONH-, -C(Me):CHC(Me):N-] were prepared from the corresponding methylthiopyrimidinones I (R = Ph, C6H4-4-Cl, 2-furyl; R1 = SMe)
IT 812644-43-2P 812644-53-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis 1,2,4-triazolo[4,3,a]pyrimidinone derivs., pyrimidinone hydrazine derivs. and pyrazolylpyrimidinone derivs. via condensation or cyclocondensation reactions)
RN 812644-43-2 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 2-(5-amino-2,3-dihydro-3-oxo-1H-pyrazol-1-yl)-1,6-dihydro-1-methyl-6-oxo-4-phenyl- (CA INDEX NAME)

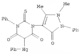


RN 812644-53-4 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 2-(5-amino-2,3-dihydro-3-oxo-1H-pyrazol-1-yl)-4-(4-chlorophenyl)-1,6-dihydro-1-methyl-6-oxo- (CA INDEX NAME)

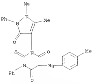


RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2003:661364 HCAPLUS
DN 140:270949
TI Synthesis of antifungal organomercurials in dry media
AU Kidwai, Mazaahir; Mohan, Richa; Dave, Bhavesh; Venkataramanan, R.
CS Department of Chemistry, University of Delhi, Delhi, 110 007, India
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (2003), 42B(8), 2006-2009
CODEN: IJSBDB; ISSN: 0376-4699
PB National Institute of Science Communication
DT Journal
LA English
OS CASREACT 140:270949
AB Mercurial derivs. of substituted thiobarbituric acid were synthesized using dry media conditions under microwave irradiation. The antifungal activity of the title compds. were compared to standard salicylic acid in DMF. 1-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-3-phenyl-5-(phenylmercury)-2-thiobarbituric acid showed good activity against Aspergillus niger.
IT 673459-98-8P 673459-99-9P 673460-00-9P
673460-01-0P 673460-02-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of fungicidal antipyrinyl(arylmercuri)thiobarbituric acids)
RN 673459-98-8 HCAPLUS
CN Mercury, [1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)hexahydro-4,6-dioxo-3-phenyl-2-thioxo-5-pyrimidinyl]phenyl- (9CI) (CA INDEX NAME)

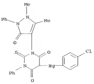


RN 673459-99-9 HCAPLUS
CN Mercury, [1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)hexahydro-4,6-dioxo-3-phenyl-2-thioxo-5-pyrimidinyl](4-methylphenyl)- (9CI) (CA INDEX NAME)

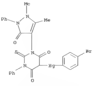


RN 673460-00-9 HCAPLUS
CN Mercury, (4-chlorophenyl)[1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)hexahydro-4,6-dioxo-3-phenyl-2-thioxo-5-pyrimidinyl]- (9CI) (CA INDEX NAME)

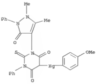
L35 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 673460-01-0 HCAPLUS
CN Mercury, (4-bromophenyl)[1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)hexahydro-4,6-dioxo-3-phenyl-2-thioxo-5-pyrimidinyl]- (9CI) (CA INDEX NAME)

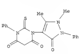


RN 673460-02-1 HCAPLUS
CN Mercury, [1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)hexahydro-4,6-dioxo-3-phenyl-2-thioxo-5-pyrimidinyl](4-methoxyphenyl)- (9CI) (CA INDEX NAME)



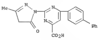
IT 201288-10-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of fungicidal antipyrinyl(arylmercuri)thiobarbituric acids)
RN 201288-10-0 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-

L35 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
pyrazol-4-yl)dihydro-3-phenyl-2-thioxo- (CA INDEX NAME)



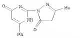
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 5 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:22759 HCAPLUS
DN 132:308314
TI Synthesis of nitrogen bridgehead heterocycles and their potential biological activities
AU Salmen, Asmea. S. S.; Azab, Essam A.
CS Department of Chemistry, Faculty of Science, Girl's Branch, Al-Azhar University, Cairo, Egypt
SO Al-Azhar Bulletin of Science (1998), 9(1), 21-30
CODEN: ABSCE7; ISSN: 1110-2535
PB Al-Azhar University, Faculty of Science
DT Journal
LA English
AB 2-Thiopyrimidine reacted with hydrazine hydrate and acid hydrazide to give hydrazinopyrimidine and 1,2,4- triazolo [4,3-a] pyrimidine. The hydrazinopyrimidine was used as a key intermediate in the synthesis of other heterocycles. Also, 2-thiopyrimidine was allowed to react with β-(2-methoxy-4-methylbenzoyl)acrylic acid to give β-(2-methoxy-4-methylbenzoyl)propionic acid derivative. Treatment of the latter with hydrazine hydrate and hydroxylamine hydrochloride gave pyridazin-3-one and 1,2-oxazin-6-one derivs. Some of the obtained compds. showed antimicrobial activity against some selected bacteria in vitro.
IT 265114-36-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and antibacterial activity of nitrogen bridgehead heterocycles)
RN 265114-36-1 HCAPLUS
CN 4-Pyrimidinecarboxylic acid, 6-[1,1'-biphenyl]-4-yl-2-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)- (CA INDEX NAME)

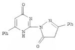


RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1999:444591 HCAPLUS
DN 131:214255
TI Synthesis of pyrimidine, thiazolopyrimidine, pyrimidotriazine, and triazolopyrimidine derivatives and their biological evaluation
AU Attaby, Fawzy A.; Eldin, Sanaa M
CS Chemistry Dep., Faculty Science, Cairo Univ., Giza, Egypt
SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (1999), 54(6), 788-798
CODEN: ZNBSEN; ISSN: 0932-0776
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA English
OS CASREACT 131:214255
AB 6-Phenyl-2-thioxopyrimidin-4-one (I) was prepared by the reaction of thiourea with PhCOCH2CO2Et and was reacted with various α-halo carbonyls to give thiazolopyrimidines. Reaction of I or 6-phenyl-2-(methylthio)pyrimidin-4-one (II) with N2H4.H2O yields 2-hydrazino derivs., which gave pyrimidotriazines on reaction with α-halo carbonyls, while 2-pyrazolopyrimidines were gained on treatment with appropriate active methylene-containing reagents. On the other hand, triazolopyrimidines were also obtained via the reaction of II with each of HCO2H, Ac2O, ClCO2Et, and CS2, resp. Some of the newly synthesized heterocyclic derivs. were tested for antimicrobial activity
IT 92150-15-7P 242475-15-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antimicrobial activity of pyrimidines, thiazolopyrimidines, and triazolopyrimidines)
RN 92150-15-7 HCAPLUS
CN 4(3H)-Pyrimidinone, 2-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-6-phenyl- (CA INDEX NAME)

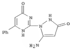


RN 242475-15-6 HCAPLUS
CN 4(3H)-Pyrimidinone, 2-(4,5-dihydro-5-oxo-3-phenyl-1H-pyrazol-1-yl)-6-phenyl- (CA INDEX NAME)



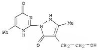
IT 242475-16-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and antimicrobial activity of pyrimidines, thiazolopyrimidines, and triazolopyrimidines)
RN 242475-16-7 HCAPLUS
CN 4(3H)-Pyrimidinone, 2-(5-amino-2,3-dihydro-3-oxo-1H-pyrazol-1-yl)-6-phenyl- (CA INDEX NAME)

L35 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

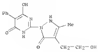


RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:396968 HCAPLUS
DN 129:122632
OREF 129:25129a,25132a
TI Nonsteroidal antiinflammatory agents. Part 1: Antiinflammatory, analgesic and antipyretic activity of some new 1-(pyrimidin-2-yl)-3-pyrazolin-5-ones and 2-(pyrimidin-2-yl)-1,2,4,5,6,7-hexahydro-3H-indazol-3-ones
AU Badawey, El-Sayed A. M.; El-Ashmawey, Ibrahim M
CS Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt
SO European Journal of Medicinal Chemistry (1998), 33(5), 349-361
CODEN: EJMCA5; ISSN: 0223-5234
PB Editions Scientifiques et Medicales Elsevier
DT Journal
LA English
AB In our reinvestigation of the cyclocondensation reaction of aminoguanidine bicarbonate with 2-acetylbutyrolactone and Et cyclohexanone-2-carboxylate, we have obtained the resp. 1-amidino-3-pyrazolin-5-one derivative and 2-amidino-1,2,4,5,6,7-hexahydro-3H-indazol-3-one. These intermediates were utilized for the synthesis of two novel series of 1-(pyrimidin-2-yl)-3-pyrazolin-5-ones and 2-(pyrimidin-2-yl)-1,2,4,5,6,7-hexahydro-3H-indazol-3-ones. Selected analogs from both series (15 compds.) were evaluated for their antiinflammatory activity in an acute and subacute model of inflammation. The analgesic and antipyretic activity of the target compds. were also evaluated. A structure-activity relationship (SAR) comparative study indicated that some compds. from both series exhibited excellent antiinflammatory activity, together with good analgesic and antipyretic activity and were found to be more potent than the reference drugs at a dose of 50 mg/kg, po. In consideration of the efficacy of the compds. in these assays, three of the compds. were further studied at graded doses for their acute toxicity (ALD50) and ulcerogenic activity and were shown to have a large safety margin (ALD50 > 4.0 g/kg, po) and devoid of ulcerogenic potentialities when administered orally at a dose of 300 mg/kg
IT 210417-21-3P 210417-25-7P
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antiinflammatory, analgesic, and antipyretic activity of pyrimidinylpyrazolinones and pyrimidinylhexahydroindazolones)
RN 210417-21-3 HCAPLUS
CN 4(3H)-Pyrimidinone, 2-[2,5-dihydro-4-(2-hydroxyethyl)-3-methyl-5-oxo-1H-pyrazol-1-yl]-6-phenyl- (CA INDEX NAME)



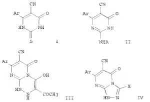
RN 210417-25-7 HCAPLUS
CN 4(3H)-Pyrimidinone, 2-[2,5-dihydro-4-(2-hydroxyethyl)-3-methyl-5-oxo-1H-pyrazol-1-yl]-6-hydroxy-5-phenyl- (CA INDEX NAME)



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

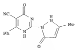
L35 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L35 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:61890 HCAPLUS
DN 128:167393
OREF 128:32993a,32996a
TI Reactions of pyrimidinonethione derivatives: synthesis of 2-hydrazinopyrimidin-4-one, pyrimido[1,2-a]-1,2,4-triazine, triazolo-[1,2-a]pyrimidine, 2-(1-pyrazolo)pyrimidine and 2-arylhydrazonopyrimidine derivatives
AU Attaby, Fawzy A.; Eldin, Sanaa M.; Hanafi, Eman A. Z.
CS Chemistry Department, Faculty of Science, Cairo University, Giza, Egypt
SO Archives of Pharmacal Research (1997), 20(6), 620-628
CODEN: APHRDQ; ISSN: 0253-6269
PB Pharmaceutical Society of Korea
DT Journal
LA English
GI

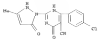


AB 6-Aryl-5-cyano-4-pyrimidinon-2-thione derivs. I (Ar = Ph, 4-ClC6H4, C4H3-O-α) reacted with Et iodide to give the corresponding 2-S-ethylpyrimidin-4-one derivs. The latter compds. were, in turn, reacted with hydrazine hydrate to give the sulfur free reaction products, 2-hydrazino derivs. II (R = NH2). These reaction products were taken as the starting materials for the synthesis of several newly synthesized heterocyclic derivs. Reactions with several halogenated ketones, esters, chloroacetic acid and chloroacetamide give pyrimidotriazines, e.g., III, while their reactions with formic acid, acetic acid and carbon disulfide gave the corresponded triazolopyrimidines, e.g., IV (X = H, Me). The reaction with both acetyl acetone and ethylacetoacetate gave the corresponded 2-(3',5'-dimethyl-1'-pyrazolyl)pyrimidine derivs. while the reaction with cinnamonitriles ArCH.CXCN (Ar = Ph, 4-ClC6H4, X = cyano, CO2Et, CONH2, CSNH2) afforded the corresponded aryl hydrazopyrimidines II (R = N:CHAr). The structures of these reaction products were established based on both elemental analyses and spectral data studies.
IT 202998-16-1P 202998-18-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of hydrazinopyrimidinone, pyrimidotriazine, triazolo-, pyrazolo-, and arylhydrazonopyrimidine derivs.)
RN 202998-16-1 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 2-(2,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-1,6-dihydro-6-oxo-4-phenyl- (CA INDEX NAME)

L35 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

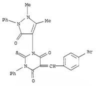


RN 202998-18-3 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 4-(4-chlorophenyl)-2-(2,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-1,6-dihydro-6-oxo- (CA INDEX NAME)

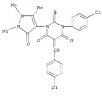


RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:30767 HCAPLUS
DN 128:102050
OREF 128:19993a,19996a
TI Synthesis and antimicrobial evaluation of certain derivatives of 2-pyrimidinone, 2-pyrimidinethione and 2-thioxo-4,6-pyrimidinedione
AU El-Ashmawy, Mahmoud B.
CS Department of Medicinal Chemistry, Faculty of Pharmacy, University of Mansoura, Mansoura, 35516, Egypt
SO Saudi Pharmaceutical Journal (1997), 5(4), 156-161
CODEN: SPJOEM; ISSN: 1319-0164
PB Saudi Pharmaceutical Society
DT Journal
LA English
AB A series of novel pyrimidinones, pyrimidinethiones, and thioxopyrimidinediones substituted with an antipyrine moiety at C-5 or N-1 has been synthesized. The antimicrobial activity of these derivs. was assessed against four strains of pathogenic bacteria and two strains of fungi. Nine compds. displayed specific activity against the tested Gram-pos. bacteria.
IT 201288-13-3P 201288-15-5P 201288-16-6P
201288-17-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal and fungicidal activity of pyrimidinones, pyrimidinethiones, and thioxopyrimidinediones)
RN 201288-13-3 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 5-[(4-bromophenyl)methylene]-1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-3-phenyl-2-thioxo- (CA INDEX NAME)

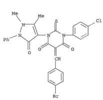


RN 201288-15-5 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 1-(4-chlorophenyl)-5-[(4-chlorophenyl)methylene]-3-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-2-thioxo- (CA INDEX NAME)

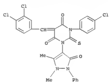


RN 201288-16-6 HCAPLUS

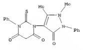
L35 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN 4,6(1H,5H)-Pyrimidinedione, 5-[(4-bromophenyl)methylene]-1-(4-chlorophenyl)-3-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-2-thioxo- (CA INDEX NAME)



RN 201288-17-7 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 1-(4-chlorophenyl)-5-[(3,4-dichlorophenyl)methylene]-3-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-2-thioxo- (CA INDEX NAME)



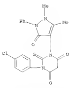
IT 201288-10-0P 201288-11-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and bactericidal and fungicidal activity of pyrimidinones, pyrimidinethiones, and thioxopyrimidinediones)
RN 201288-10-0 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-3-phenyl-2-thioxo- (CA INDEX NAME)



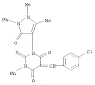
RN 201288-11-1 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 1-(4-chlorophenyl)-3-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-2-thioxo- (CA INDEX NAME)

L35 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

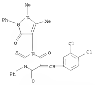
L35 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 201288-12-2P 201288-14-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and bactericidal and fungicidal activity of pyrimidinones, pyrimidinethiones, and thioxopyrimidinediones)
RN 201288-12-2 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 5-[(4-chlorophenyl)methylene]-1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-3-phenyl-2-thioxo- (CA INDEX NAME)

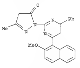


RN 201288-14-4 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 5-[(3,4-dichlorophenyl)methylene]-1-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)dihydro-3-phenyl-2-thioxo- (CA INDEX NAME)



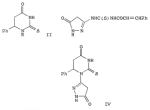
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 10 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1997:674856 HCAPLUS
DN 127:331454
OREF 127:65097a,65100a
TI Synthesis and characterization of some biologically active pyrimidine derivatives containing sulfur. Part II
AU Nassar, S. A.; El-Hashash, M. A.; Essawy, S. A.; Hashish, A. A.
CS Chemistry Department, Faculty of Science, Banha University, Benha, Egypt
SO Egyptian Journal of Chemistry (1997), 40(3), 239-247
CODEN: EGJCA3, ISSN: 0367-0422
PB National Information and Documentation Centre
DT Journal
LA English
AB 4-(2-Methoxynaphthyl)-6-phenyl-5,6-dihydropyrimidine-2(1H)-thione was prepared in 72% yield from benzylidene-2-methoxyacetonaphthone and thiourea as a key starting material for synthesis of a diverse heterocyclic systems bearing S and other polynuclear heterocycles which exhibited bactericidal activity against Bacillus subtilis and B. cereus.
IT 197898-23-0P
RL: SPN (Synthetic preparation), PREP (Preparation)
(preparation of)
RN 197898-23-0 HCAPLUS
CN 3H-Pyrazol-3-one, 2-[4,5-dihydro-6-(2-methoxy-1-naphthalenyl)-4-phenyl-2-pyrimidinyl]-2,4-dihydro-5-methyl- (CA INDEX NAME)



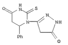
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 11 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1987:138385 HCAPLUS
DN 106:138385
OREF 106:22581a,22584a
TI A novel synthesis of perhydropyrimidine-2-thiones
AU Gohar, Abdel Kerim M.; Abdel-Latif, F. F.; Regaila, H. A. A.
CS Fac. Sci., El-Minia Univ., Egypt
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1986), 25B(7), 767-8
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 106:138385
GI

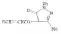


II III IV

AB Cinnamoyl isothiocyanate (I) reacts with amines (aniline, p-toluidine, benzylamine) to give the corresponding cinnamoylthioureas PhCH:CHCONHC(S)NHR (R = Ph, 4-MeC6H4, PhCH2) which undergo cyclization when refluxed with NaOEt solution to give the corresponding perhydropyrimidine II. Compound I also reacts with cyanoacetic hydrazide or 3-amino-2-pyrazolin-5-one to give one and the same product, identified as cinnamoylthiourea derivative III. Cyclization of III affords the corresponding perhydropyrimidine derivative IV.
IT 107399-79-1P
RL: SPN (Synthetic preparation), PREP (Preparation)
(preparation of)
RN 107399-79-1 HCAPLUS
CN 4(1H)-Pyrimidinone, 1-(4,5-dihydro-5-oxo-1H-pyrazol-3-yl)tetrahydro-6-phenyl-2-thioxo- (CA INDEX NAME)

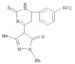


L35 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1978:615288 HCAPLUS
DN 89:215288
OREF 89:33449a,33452a
TI Some reactions of 4-acetyl- and 4-cinnamoyl-3-methyl-1-phenyl-2-pyrazolin-5-ones
AU Soliman, E. A.; Abdalla, M. M.; Mohammed, M. M.; Elgindy, A. M.
CS Fac. Sci., Ain Shams Univ., Cairo, Egypt
SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1978), 16B(6), 505-9
CODEN: IJSBDB; ISSN: 0376-4699
DT Journal
LA English
OS CASREACT 89:215288
GI

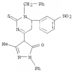


I

AB Condensing the title acetylpyrazolinone with benzaldehydes gave cinnamoylpyrazolinones I [R = m- or p-O2NC6H4, 3,4-(MeO)2C6H3]. The numerous reactions of I with hydrazines, H2NOH, Grignard reagents, ureas, etc. are described.
IT 68347-64-8P 68347-65-9P 68347-66-0P
68347-77-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 68347-64-8 HCAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl-4-[1,2,5,6-tetrahydro-6-(3-nitrophenyl)-2-thioxo-4-pyrimidinyl]- (CA INDEX NAME)

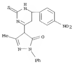


RN 68347-65-9 HCAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl-4-[1,2,5,6-tetrahydro-6-(3-nitrophenyl)-1-(phenylmethyl)-2-thioxo-4-pyrimidinyl]- (CA INDEX NAME)

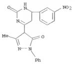


RN 68347-66-0 HCAPLUS

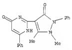
L35 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl-2-phenyl-4-[1,2,5,6-tetrahydro-6-(4-nitrophenyl)-2-thioxo-4-pyrimidinyl]- (CA INDEX NAME)



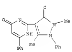
RN 68347-77-3 HCAPLUS
CN 2(1H)-Pyrimidinone, 4-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-5,6-dihydro-6-(3-nitrophenyl)- (CA INDEX NAME)



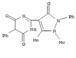
L35 ANSWER 13 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1972:85783 HCAPLUS
DN 76:85783
OREF 76:13799a,13802a
TI Synthesis of pyrazolone-5 and prazolone-3 derivatives
AU Cygankiewicz, Andrzej; Dymek, Wojciech
CS Dep. Pharm. Chem., Med. Acad., Cracow, Pol.
SO Dissertationes Pharmaceuticae et Pharmacologicae (1971), 23(5), 503-9
CODEN: DPHFAK; ISSN: 0012-3870
DT Journal
LA English
GI For diagram(s), see printed CA Issue.
AB Twelve 5-pyrazolones and 3-pyrazolones were prepared from 1-phenyl-2,3-dimethyl-4-formamidino-5-pyrazolone-HI (I) and 1-phenyl-2,5-dimethyl-4formamidino-3-pyrazolone-HI (II). Treatment of I and II with EtO2CCH2CN in EtOH containing EtONa gave III and IV, resp. Treatment of I and II with MeCOCH2Et or PhCOCH2CO2Et similarly gave VVIII. The highest yields were obtained when a 2-fold excess of EtONa was present and the reaction mixture was left for 15-20 days. Condensation of I and II with di-Et ethylmalonate and Et acetamidomalonate gave 1-phenyl-2,3-dimethyl-4-(4,6-dioxo-5-ethyl-2-pyrimidyl)-5-pyrazolone and 1-phenyl-2,3-dimethyl-4-(4,6-dioxo-5-acetamido-2-pyrimidyl)-5-pyrazolone, resp. 1-Phenyl-2,3-dimethyl-4-(4,6-dimethyl-2-pyrimidyl)-5-pyrazolone and 1-phenyl-2,5-dimethyl-4-(4,6-dimethyl-2-pyrimidyl)-3-pyrazolone were obtained by treating I and II, resp., with acetylacetone.
IT 35149-64-5P 35149-66-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 35149-64-5 HCAPLUS
CN 4(1H)-Pyrimidinone, 2-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-6-phenyl- (9CI) (CA INDEX NAME)



RN 35149-66-7 HCAPLUS
CN 4(1H)-Pyrimidinone, 2-(2,3-dihydro-2,5-dimethyl-3-oxo-1-phenyl-1H-pyrazol-4-yl)-6-phenyl- (9CI) (CA INDEX NAME)

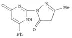


L35 ANSWER 14 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1969:37764 HCAPLUS
DN 70:37764
OREF 70:7065a,7068a
TI Pyrimidine derivatives
AU Dymek, Wojciech; Zimon, Romuald
CS Akad. Med., Cracow, Pol.
SO Acta Poloniae Pharmaceutica (1968), 25(3), 221-9
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA Polish
GI For diagram(s), see printed CA Issue.
AB Several pyrimidine derivs. were prepared by condensing PhCH2C(:NH)NH2·HCl (I) with R1R2C(CO2Et)2 (II). Thus, 1 mole I, 1 mole II, and 5 moles NaOEt in 50 ml. EtOH kept 24 hrs. at room temperature with occasional swirling, the EtOH distilled, and the residue acidified gave III. Analogously, with 4-aminoantipyrine-HI used in the place of I, IV were prepared (10 moles NaOEt used). III heated on a water-bath with a slight excess of POCl3 and the mixture hydrolyzed yielded V. V heated 6 hrs. on a water-bath with an excess of KSH in MeOH, the product dissolved in H2O, and precipitated with HCl yielded VI. V heated 1 hr. with 2 moles (NH2)2CS in EtOH, the product triturated with hot EtOH-Et2O, and crystallized from EtOH yielded VII·HCl, subsequently hydrolyzed to VI by refluxing with 2N NaOH, V or VI heated with excess 80% NH2NH2·H2O yielded VIII. Similarly, V heated a short time with an equimolar amount of 50% NH2NH2· H2O in EtOH gave IX. Several X were prepared by heating VIII with 2 moles aromatic aldehyde or Me2CO. Monosubstituted analogs (XI) were similarly prepared from IX and 1 mole aldehyde or Me2CO. The following III were prepared (R1, R2, and m.p. given): H, H, 303-5°, H, Ph, 320-22°; Et, Ph, 326°; H, Cl, 308° (decomposition), Et, Et, 333-6°. The following IV were prepared (same data given): H, H, 305-6°; H, Cl, 278-81°; H, Ph, 299-301°; Et, Et, 231-3°. Also the following V (R2 and m.p. given): H, 62-4°; Ph, 138-9°; Cl, 95-6°. Also the following (compound and m.p given): VI (R2 = H), 204-6°; VI (R2 = Ph), 191°; VII·HCl (R2 = H), 187-8° (decomposition); VII·HCl (R2 = Ph), 185-9°; VIII (R2 = H), 222-4°; VIII (R2 = Ph), 188-90°; IX (R2 = Ph), 152-4°; XI (R2 = Ph, R5 = o-ClC6H4, R6 = H), 148-9°; and XI (R2 = Ph, R5 = R6 = Me), 158-60°. The following X were prepared (R2, R5, R6, and m.p. given): H, o-ClC6H4, H, 198-9°, H, CH:CHPh, H, 200-2°; H, o-HOC6H4, H, 235-6°, H, Me, Me, 165-7°; Ph, o-ClC6H4, H, 204-5°; Ph, o-HOC6H4, H, 274-5°; Ph, CH:CHPh, H, 213-14°
IT 21585-49-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 21585-49-9 HCAPLUS
CN 4,6(1H,5H)-Pyrimidinedione, 2-antipyrinyl-5-phenyl- (8CI) (CA INDEX NAME)



L35 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1964:68217 HCAPLUS
DN 60:68217
OREF 60:12009h,12010a-h,12011a-c
TI Pyrimidine derivatives. XII. 2-(1-Pyrazolyl)pyrimidines. 2
AU Shirakawa, Kenzo; Tsujikawa, Teruaki
CS Takeda Res. Lab., Osaka, Japan
SO Takeda Kenkyusho Nenpo (1963), 22, 27-46
CODEN: TDKNAF; ISSN: 0371-5973
DT Journal
LA Unavailable
GI For diagram(s), see printed CA Issue.
AB Boiling of a mixture of 8 g. 2-(4-ethoxycarbonyl-5-methyl-1-pyrazolyl)-4-hydroxy-6-phenylpyrimidine, 70 cc. 4% NaOH, and 70 cc. EtOH for 30 min. gives 60.3% 2-(4-carboxy-5-methyl-1-pyrazolyl)-4-hydroxy-6-phenylpyrimidine, m. 320° (decomposition) (AcOH). Similarly prepared are 2-(4-carboxy-5-amino-1-pyrazolyl)-4-hydroxy-6-methylpyrimidine [m. 229° (decomposition) (dilute AcOH)], 2-(4-carboxy-5-amino-1-pyrazolyl)-4-hydroxy-5,6-tetramethylenepyrimidine [m. 250° (decomposition) (EtOCH2CH2OH)], and 2-(3,5-dimethyl-1-pyrazolyl)-4-hydroxy-5-carboxypyrimidine [m. 255° (decomposition) (MeOCH2CH2OH)] in 64%, 17%, and 34.4% yields, resp. They are dissolved in CHCl3 and treated with Cl or Br to give corresponding chlorinated or brominated products (product, m.p., and % yield given): 2-(3,5-dimethyl-4-chloro-1-pyrazolyl)-4-hydroxy-5-chloro-6-methylpyrimidine, 248-51° (EtOH), 52.2; 2-(3,5-dimethyl-4-bromo-1-pyrazolyl)-4-hydroxy-5-bromo-6-methylpyrimidine, 246-8° (dilute AcOH), 83; 2-(3,5-dimethyl-4-bromo-1-pyrazolyl)-4-hydroxy-5-bromo-6-phenylpyrimidine, 150-1° (CHCl3), 83, 2-(3-methyl-4-bromo-5-phenyl-1-pyrazolyl)-4-hydroxy-5-bromo-6-phenylpyrimidine, 229-31° (PhMe), 67.3; 2-(4-ethoxycarbonyl-5-methyl-1-pyrazolyl)-4-hydroxy-5-bromo-6-phenylpyrimidine, 167-9° (dilute EtOH), 85.8%. 4-Hydroxy compds. are treated with POCl3 to give 4-Cl compds. Thus, the following I are prepared (R, R1, m.p., and % yield given): H, Me, 57° (dilute EtOH), 55; (RR1=) (CH2)3, 131-3° (C6H6-ligroine), 95.5; (RR1=) (CH2)4, 130-2° (ligroine), 58; H, Ph, 117-18° (dilute EtOH), 89. Reaction of I with NH2NH2.H2O gives II (R, R1, m.p., and % yield given): H, Me, 183-4° (BuOH), 72.5; (RR1=) (CH2)3, 1857° (dilute EtOH), 83.5, (RR1=) (CH2)4, 128-32° (dilute EtOH), 81.2; H, Ph, 206-7° (BuOH), 66. The synthesis of the following III is also reported (R, R1, R2, R3, R4, appearance, and m.p. given): Me, H, Me, NH2, Me, prisms, 114-16° (ligroine); Me, H, Me, NHPh, Me, plates, 112-13° (ligroine); Me, H, Me, NHCH2Ph, Me, needles, 142.5-3.5° (dilute EtOH); Me, H, Me, SMe, Me, needles, 103-4° (dilute dioxane); Me, H, Me, Me, NH2, needles, 120-3° (MeOCH2CH2OH); Me, H, Me, OH, Me, prisms, 288-9° (decomposition) (EtOH); H, CO2Et, Me, NH2, Me, plates, 153-5° (dilute EtOH); H, CO2Et, Me, NHPh, Me, prisms, 135-6.5° (80% EtOH); H, CO2Et, Me, NHCH2Ph, Me, plates, 143.5-5° (C6H6-ligroine); H, CO2Et, Ph, NH2, Me, prisms, 144-5° (dilute EtOH), H, CO2Et, NH2, NH2, Me, needles, 200-2° (70% EtOH), H, CO2Et, NH2, NHPh, Me, needles, 146-7° (dilute AcOH); H, CO2Et, NH2, NHCH2Ph, Me, leaflets, 148-50° (50% EtOH); H, CO2Et, NH2, OH, Me, needles, 298° (decomposition) (MeOCH2CH2OH); H, CN, NH2, NH2, Me, needles, 251-2° (80% EtOH); H, CN, NH2, NHPh, Me, needles, 2679° (EtOCH2CH2OH); H, CN, NH2, NHCH2Ph, Me, prisms, 203-5° (60% AcOH); H, CN, NH2, SMe, Me, needles, 239-40° (dilute dioxane); H, CN, NH2, OH, Me, needles, >300° (MeOCH2CH2OH). IV are also prepared (same data): Me, H, Me, H, Me, needles, 117-19° (80% EtOH); Me, H, Me, (R3R4=) (CH2)3, needles, 113-14° (ligroine); Me, H, Me, (R3R4=)(CH2)4, powder, 103° (dilute AcOH); Me, H, Me, H, Ph, needles, 153-4° (80% EtOH), H, CO2Et, Me, H, Me, prisms, 160-1° (dilute AcOH), H, CO2Et, Me, (R3R4=) (CH2)3, plates, 159.5-61° (C6H6); H, CO2Et, Me, (R3R4=) (CH2)4, needles, 130-3° (dilute AcOH), H, CO2Et, Me, H, Ph, needles, 165-6° (AcOH); H, CO2Et, NH2, H, Me, needles, 177-9° (AcOH); H, CO2Et, NH2, (R3R4=) (CH2)3, prisms, 182-3° (EtOCH2CH2OH); H, CO2Et, NH2, (R3R4=) (CH2)4, leaflets, 197-8° (BuOH); H, CO2Et, NH2, H, Ph, needles, 187-8° (AcOH); H, CN, NH2, H, Me, needles, 245-7° (AcOH); H, CN, NH2, (R3R4=) (CH2)3, powder, 249-50° (dilute AcOH); H, CN, NH2, (R3R4=) (CH2)4, needles, 225° (AcOH); H, CN, NH2, H, Ph,

L35 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
needles, 242-3° (AcOH). The following V are prepd. (R, R1, R2, R3, and m.p. given): 2-pyridyl, H, CO2Et, NH2, 93-5° (ligroine); 2-pyridyl, H, CN, NH2, 186-9° (EtCH2CH2OH), a, Me, H, Me, 165-7° (MeOCH2CH2OH); a, H, CO2Et, Me, 160-2° (MeOCH2CH2OH), a, H, CO2Et, NH2, >300° (MeOCH2CH2OH); a, H, CN, NH2, >300° (MeOCH2CH2OH); b, H, CO2Et, NH2, 216° (decompn.) (MeOCH2CH2OH); c, Me, H, Me, 104-5° (MeOCH2CH2OH); c, H, CO2Et, NH2, 132-5° (MeOCH2CH2OH); d, Me, H, Me, 106-9° (MeOCH2CH2OH), e, Me, H, Me, 123-4° (EtOH); f, Me, H, Me, 132-3° (EtOH); g, Me, H, Me, 143-5° (dil. EtOH); h, H, CO2Et, NH2, 130-1° (MeOH), i, H, CO2Et, NH2, 88° (EtOH), j, Me, H, Me, 237° (dil. EtOH); k, Me, H, Me, 68-70(EtOH), l, Me, H, Me, -(oil, b4 204°); m, H, CO2Et, NH2, 278° (decompn.) (MeOCH2CH2OH), o-MeOC6H4, Me, H, Me, -(oil, b14 161-4°); p-H2NO2SC6H4, Me, H, Me, 228-30° (MeOCH2CH2OH), m-HO3SC6H4, Me, H, Me, 313° (decompn.) (dil. EtOH); p-HO2CCH2C6H4, Me, H, Me, 151-2.5° (dil. EtOH), p-HO2CCH2C6H4, Me, H, Ph, 189-90° (dil. EtOH). The following VI are prepd. (R and m.p. given): n, 154-6° (EtOH); o, 95-7° (EtOH); p, 240° (decompn.) (MeSOMe), q, 244° (MeSOMe), a, 272° (MeSOMe), r, 220° (EtOH). 2-(1-Pyrazolyl)-4-hydroxypyrimidines were effective in inhibiting growth of Mycobacterium tuberculosis.
IT 92150-15-7P, 2-Pyrazolin-5-one, 1-(4-hydroxy-6-phenyl-2-pyrimidinyl)-3-methyl-
RL: PREP (Preparation)
(preparation of)
RN 92150-15-7 HCAPLUS
CN 4(3H)-Pyrimidinone, 2-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-6-phenyl- (CA INDEX NAME)



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CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 17:49:30 ON 03 NOV 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 17:49:30 ON 03 NOV 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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L26  ANSWER 1 OF 1  USPATFULL on STN
AN     2007:62784  USPATFULL
TI     2-Substituted pyrimidines
IN     Tormo i Blasco, Jordi, Laudenbach, GERMANY, FEDERAL REPUBLIC OF
       Blettner, Carsten, Hong Kong, CHINA
       Muller, Bernd, Frankenthal, GERMANY, FEDERAL REPUBLIC OF
       Gewehr, Markus, Kastellaun, GERMANY, FEDERAL REPUBLIC OF
       Grammenos, Wassilios, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
       Grote, Thomas, Wachenheim, GERMANY, FEDERAL REPUBLIC OF
       Gypser, Andreas, Mannheim, GERMANY, FEDERAL REPUBLIC OF
       Rheinheimer, Joachim, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
       Schafer, Peter, Ottersheim, GERMANY, FEDERAL REPUBLIC OF
       Schieweck, Frank, Hessheim, GERMANY, FEDERAL REPUBLIC OF
       Schwogler, Anja, Mannheim, GERMANY, FEDERAL REPUBLIC OF
       Wagner, Oliver, Neustadt, GERMANY, FEDERAL REPUBLIC OF
       Strathmann, Siegfried, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
       Schofl, Ulrich, Bruhl, GERMANY, FEDERAL REPUBLIC OF
       Scherer, Maria, Godramstein, GERMANY, FEDERAL REPUBLIC OF
       Stierl, Reinhard, Freinsheim, GERMANY, FEDERAL REPUBLIC OF
PA     BASF AKTIENGESELLSCHAFT, 67056 LUDWIGSHAFEN, GERMANY, FEDERAL REPUBLIC
       OF (non-U.S. corporation)
PI     US-20070054929      A1  20070308
AI     2004US-000555894    A1  20040510 (10)
       2004WO-EP0004957        20040510
                               20051107  PCT 371 date
PRAI   2003DE-010323026    20030520
DT     Utility
FS     APPLICATION
LREP   BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747,
       US
CLMN   Number of Claims: 12
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 1730
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     The present invention relates to pyrimidines of the formula I
       ##STR1##   in which the index n and the substituents L, R.sup.1-R.sup.3
       are as defined in the description and   R.sup.4 corresponds to one of
       the formulae    ##STR2##  and to processes and intermediates for
       preparing these compounds, to compositions comprising them and to their
       use for controlling phytopathogenic harmful fungi.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT   800381-76-4P
        (Preparation of oxopyrazolylpyrimidines as agrochem. and industrial
        fungicides )
IT   800381-75-3P 800381-77-5P 800381-78-6P
      800381-79-7P 800381-80-0P 800381-81-1P
      800381-82-2P
        (preparation of oxopyrazolylpyrimidines as agrochem. and industrial
        fungicides)
IT  800381-76-4P
        (Preparation of oxopyrazolylpyrimidines as agrochem. and industrial
        fungicides )
RN   800381-76-4  USPATFULL
CN   3H-Pyrazol-3-one, 2-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-
       methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1,2-dihydro-
       1,4-dimethyl-  (CA INDEX NAME)

       Absolute stereochemistry.
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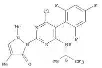
L26 ANSWER 1 OF 1 USPATFULL on STN   (Continued)



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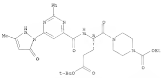
L36 ANSWER 1 OF 4 USPATFULL on STN
AN 2008:221680 USPATFULL
TI Pyrimidine Derivatives and Their Use as P2Y12 Receptor Antagonists
IN Caroff, Eva, Ranspach-le-Haut, FRANCE
Hilpert, Kurt, Hofstetten, SWITZERLAND
Houille, Olivier, Mulhouse, FRANCE
Hubler, Francis, Hegenheim, FRANCE
Meyer, Emmanuel, Aarau, SWITZERLAND
PA ACTELION PHARMACEUTICALS LTD., Allschwil, SWITZERLAND (non-U.S. corporation)
PI US-20080194576 A1 20080814
AI 2006US-000912545 A1 20060427 (11)
2006WO-IB0051318 20060427
20071025 PCT 371 date
PRAI 2005WO-EP0004578 20050428
2005WO-IB0053711 20051110
DT Utility
FS APPLICATION
LREP DICKSTEIN SHAPIRO LLP, 1177 AVENUE OF THE AMERICAS (6TH AVENUE), NEW YORK, NY, 10036-2714, US
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12164
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to 4-aminocarbonyl-pyrimidine derivatives and their use as P2Y.sub.12 receptor antagonists in the treatment and/or prevention and/or treatment of peripheral vascular, of visceral-, hepatic- and renal-vascular, of cardiovascular and of cerebrovascular diseases or conditions associated with platelet aggregation, including thrombosis in humans and other mammals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 913951-63-0P
(drug candidate; preparation of N-(4-pyrimidinylcarbonyl) amino acid piperazides and their use as P2Y12 receptor antagonists)
RN 913951-63-0 USPATFULL
CN 1-Piperazinepentanoic acid, γ-[[[6-(2,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-2-phenyl-4-pyrimidinyl]carbonyl]amino]-4-(ethoxycarbonyl)-δ-oxo-, 1,1-dimethylethyl ester, (γS)- (CA INDEX NAME)

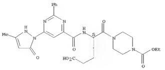
Absolute stereochemistry.



IT 913950-66-0P, 4-[(S)-4-Carboxy-2-[[[6-(3-methyl-5-oxo-2,5-dihydropyrazol-1-yl)-2-phenylpyrimidin-4-yl]carbonyl]amino]butanoyl]piperazine-1-carboxylic acid ethyl ester
(drug candidate; preparation of N-(4-pyrimidinylcarbonyl) amino acid piperazides and their use as P2Y12 receptor antagonists)
RN 913950-66-0 USPATFULL
CN 1-Piperazinepentanoic acid, γ-[[[6-(2,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-2-phenyl-4-pyrimidinyl]carbonyl]amino]-4-(ethoxycarbonyl)-δ-oxo-, (γS)- (CA INDEX NAME)

Absolute stereochemistry

L36 ANSWER 1 OF 4 USPATFULL on STN (Continued)



L36 ANSWER 2 OF 4 USPATFULL on STN
AN 2008:201869 USPATFULL
TI 2-Substituted Pyrimidines and Their Use as Pesticides
IN Schwogler, Anja, Mannheim, GERMANY, FEDERAL REPUBLIC OF
Schieweck, Frank, Hessheim, GERMANY, FEDERAL REPUBLIC OF
Rheinheimer, Joachim, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
Gewehr, Markus, Kastellaun, GERMANY, FEDERAL REPUBLIC OF
Muller, Bernd, Frankenthal, GERMANY, FEDERAL REPUBLIC OF
Grote, Thomas, Wachenheim, GERMANY, FEDERAL REPUBLIC OF
Grammenos, Wassilios, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
Hunger, Udo, Mainz, GERMANY, FEDERAL REPUBLIC OF
Blettner, Carsten, Hong Kong, CHINA
Schafer, Peter, Ottersheim, GERMANY, FEDERAL REPUBLIC OF
Wagner, Oliver, Neustadt, GERMANY, FEDERAL REPUBLIC OF
Stierl, Reinhard, Freinsheim, GERMANY, FEDERAL REPUBLIC OF
Schofl, Ulrich, Bruhl, GERMANY, FEDERAL REPUBLIC OF
Strathmann, Siegfried, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Scherer, Maria, Godramstein, GERMANY, FEDERAL REPUBLIC OF
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US-20080176831 A1 20080724
AI 2005US-000596891 A1 20050517 (11)
2005WO-EP0005333 20050517
20061117 PCT 371 date
PRAI 2004DE-102004025363 20040519
DT Utility
FS APPLICATION
LREP BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS CHURCH, VA, 22040-0747, US
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1782
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to 2-substituted pyrimidines of the formula I

##STR1##

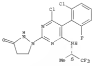
in which the index n and the substituents L and R.sup.1 to R.sup.3 are as defined in the description and X is a group --CH--R.sup.a, --N-- or --S--,

R.sup.1 may be hydrogen, halogen, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxy, cyano or C.sub.1-C.sub.6-alkoxycarbonyl;
R.sup.b is hydrogen, C.sub.1-C.sub.6-alkyl or C.sub.3-C.sub.6-cycloalkyl; T is a group --CH--R.sup.a--;
p is an integer from 1 to 4, Y is a group --CH--R.sup.a-- or --N--R.sup.b
o is 0 or 1, Z is O, S or a group N(R.sup.c)
R.sup.c is hydrogen, C.sub.1-C.sub.6-alkyl or C.sub.1-C.sub.6-alkoxy, and to processes for their preparation, to pesticidal compositions comprising them and to their use as pesticides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 870249-82-4P 870249-92-6P 870249-93-7P
870249-94-8P 870249-95-9P 870249-96-0P
870249-97-1P 870249-98-2P 870249-99-3P
870250-00-3P 870250-01-4P 870250-02-5P
(preparation of 2-substituted pyrimidines for use as pesticides)
RN 870249-82-4 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-5-(2-chloro-6-fluorophenyl)-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-2-pyrimidinyl]- (CA INDEX NAME)

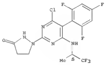
Absolute stereochemistry

L36 ANSWER 2 OF 4 USPATFULL on STN (Continued)



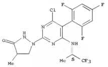
RN 870249-92-6 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



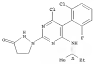
RN 870249-93-7 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-4-methyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 870249-94-8 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-5-(2-chloro-6-fluorophenyl)-6-[[(1S)-1-methylpropyl]amino]-2-pyrimidinyl]- (CA INDEX NAME)

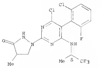
Absolute stereochemistry.



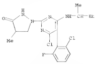
RN 870249-95-9 USPATFULL

L36 ANSWER 2 OF 4 USPATFULL on STN (Continued)
CN 3-Pyrazolidinone, 1-[4-chloro-5-(2-chloro-6-fluorophenyl)-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-2-pyrimidinyl]-4-methyl- (CA INDEX NAME)

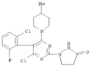
Absolute stereochemistry.



RN 870249-96-0 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-5-(2-chloro-6-fluorophenyl)-6-[(1-methylpropyl)amino]-2-pyrimidinyl]-4-methyl- (CA INDEX NAME)

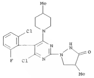


RN 870249-97-1 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-5-(2-chloro-6-fluorophenyl)-6-(4-methyl-1-piperidinyl)-2-pyrimidinyl]- (CA INDEX NAME)

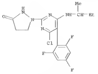


RN 870249-98-2 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-5-(2-chloro-6-fluorophenyl)-6-(4-methyl-1-piperidinyl)-2-pyrimidinyl]-4-methyl- (CA INDEX NAME)

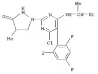
L36 ANSWER 2 OF 4 USPATFULL on STN (Continued)



RN 870249-99-3 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-6-[(1-methylpropyl)amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]- (CA INDEX NAME)

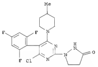


RN 870250-00-3 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-6-[(1-methylpropyl)amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-4-methyl- (CA INDEX NAME)

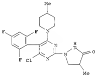


RN 870250-01-4 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-6-(4-methyl-1-piperidinyl)-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]- (CA INDEX NAME)

L36 ANSWER 2 OF 4 USPATFULL on STN (Continued)



RN 870250-02-5 USPATFULL
CN 3-Pyrazolidinone, 1-[4-chloro-6-(4-methyl-1-piperidinyl)-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-4-methyl- (CA INDEX NAME)

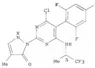


L36 ANSWER 3 OF 4 USPATFULL on STN
AN 2008:167935 USPATFULL
TI Substituted 5-Phenyl Pyrimidines I In Therapy
IN Rheinheimar, Joachim, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
Grote, Thomas, Wachenheim, GERMANY, FEDERAL REPUBLIC OF
Muller, Bernd, Frankenthal, GERMANY, FEDERAL REPUBLIC OF
Nave, Barbara, Deidesheim, GERMANY, FEDERAL REPUBLIC OF
Schieweck, Frank, Hessheim, GERMANY, FEDERAL REPUBLIC OF
Schwogler, Anja, Mannheim, GERMANY, FEDERAL REPUBLIC OF
Jabs, Thorsten, Hassloch, GERMANY, FEDERAL REPUBLIC OF
Blettner, Carsten, Hong Kong, CHINA
PA Basf Aktiengesellschaft, Ludwigsshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US-20080146593 A1 20080619
AI 2006US-000815042 A1 20060130 (11)
2006WO-EP0000774 20060130
20070730 PCT 371 date
PRAI 2005EP-000001955 20050131
DT Utility
FS APPLICATION
LREP CONNOLLY BOVE LODGE & HUTZ, LLP, P O BOX 2207, WILMINGTON, DE, 19899, US
CLMN Number of Claims: 13
ECL Exemplary Claim: 1-14
DRWN No Drawings
LN.CNT 1985
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to substituted 5-phenyl pyrimidines I, which carry a radical X in the 4-position of the pyrimidine ring, a radical Y in the 6-position of the pyrimidine ring, the radical X denoting a group of the formula NR.sup.1R.sup.2, OR.sup.1a or SR.sup.1a, in which R.sup.1, R.sup.2, independently of each other, denote hydrogen, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.6-alkenyl, C.sub.2-C.sub.6-alkynyl, C.sub.1-C.sub.10-haloalkyl, C.sub.3-C.sub.8-cycloalkyl, C.sub.3-C.sub.8-halocycloalkyl, phenyl, or 5- or 6-mambered heteroaryl or 5- or 6-membered heterocyclyl, containing 1, 2, 3 or 4 nitrogen atoms or 1, 2 or 3 nitrogen atoms and one sulfur or oxygen atom as ring members, which radicals may be unsubstituted or may carry 1, 2, 3 or 4 radicals R.sup.a1; or the radical NR.sup.1R.sup.2 may also form a 5- or 6-membered optionally substituted heterocyclic ring, containing 1, 2, 3 or 4 nitrogen atoms or 1, 2 or 3 nitrogen atoms and one sulfur or oxygen atom as ring members, which are non-adjacent to the nitrogen of NR.sup.1R.sup.2, in which two adjacent C atoms or one N atom and one adjacent C atom can be linked by a C.sub.1-C.sub.4-alkylene chain and wherein the heterocyclic ring may be unsubstituted or may carry 1, 2, 3 or 4 radicals R.sup.a1 as defined in claim 1, R.sup.1a has one of the meanings given for R.sup.1 except for hydrogen; the radical Y being selected from the group consisting of halogen, cyano, C.sub.1-C.sub.4-alkyl, C.sub.2-C.sub.4-alkenyl, C.sub.2-C.sub.4-alkynyl, C.sub.3-C.sub.6-cycloalkyl, C.sub.1-C.sub.4-alkoxy, C.sub.3-C.sub.4-alkenyloxy, C.sub.3-C.sub.4-alkynyloxy, C.sub.1-C.sub.6-alkylthio, di-(C.sub.1-C.sub.6-alkyl)amino or C.sub.1-C.sub.6-alkylamino, where the alkyl, alkenyl and alkynyl radicals of Y may be substituted by halogen, cyano, nitro, C.sub.1-C.sub.2-alkoxy or C.sub.1-C.sub.4-alkoxycarbonyl, and wherein the pyrimidine radical may also carry a radical different from hydrogen in the 2-position and wherein the phenyl ring in the 5-position of the pyrimidine ring may be unsubstituted or carry 1, 2, 3, 4 or 5 radicals L which are different from hydrogen, and the pharmaceutically acceptable salts substituted 5-phenyl pyrimidines for use in therapy, in particular in therapy or treatment of cancerous diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 903548-81-2
(phenylpyrimidine derivs. for cancer therapy)
RN 903548-81-2 USPATFULL
CN 3H-Pyrazol-3-one, 2-[4-chloro-6-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-5-(2,4,6-trifluorophenyl)-2-pyrimidinyl]-1,2-dihydro-4-methyl- (CA INDEX NAME)

Absolute stereochemistry.

L36 ANSWER 3 OF 4 USPATFULL on STN (Continued)



L36 ANSWER 4 OF 4 USPATFULL on STN

AN 2005:318911 USPATFULL

TI 4,5-Disubstituted-2-aryl pyrimidines

IN Maynard, George D., Clinton, CT, UNITED STATES
Ghosh, Manuka, Madison, CT, UNITED STATES
Yuan, Jun, Guilford, CT, UNITED STATES
Currie, Kevin S., North Branford, CT, UNITED STATES
Mitchell, Scott, East Haven, CT, UNITED STATES
Guo, Qin, Branford, CT, UNITED STATES
Zhao, He, Branford, CT, UNITED STATES

PI US-20050277654 A1 20051215

AI 2005US-000123755 A1 20050506 (11)

PRAI 2004US-000569222P 20040508 (60)
2005US-000649973P 20050204 (60)

DT Utility

FS APPLICATION

LREP EDWARDS & ANGELL, LLP, P.O. BOX 55874, BOSTON, MA, 02205, US

CLMN Number of Claims: 57

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 6531

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB 4,5-disubstituted-2-arylpyrimidines of Formula I and Formula II are provided: ##STR1## wherein R sub.1, R.sub 2, R.sub 3, R.sub 8, R.sub 9, A and Ar are defined herein. Such compounds are ligands of C5a receptors. Preferred compounds of Formula I and II bind to C5a receptors with high affinity and exhibit neutral antagonist or inverse agonist activity at C5a receptors. The present invention also relates to pharmaceutical compositions comprising such compounds, and to the use of such compounds in treating a variety of inflammatory, cardiovascular, and immune system disorders. In addition, the present invention provides labeled 4,5-disubstituted-2-arylpyrimidines, which are useful as probes for the localization of C5a receptors.

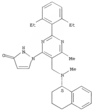
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 869889-34-9P
(preparation of disubstituted arylpyrimidines as C5a receptor ligands)

RN 869889-34-9 USPATFULL

CN 3H-Pyrazol-3-one, 1-[2-(2,6-diethylphenyl)-6-methyl-5-[[methyl[(1S)-1,2,3,4-tetrahydro-1-naphthalenyl]amino]methyl]-4-pyrimidinyl]-1,2-dihydro- (CA INDEX NAME)

Absolute stereochemistry.



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L1             1 US20070054929 /PN

     FILE 'REGISTRY' ENTERED AT 17:19:53 ON 03 NOV 2008

     FILE 'HCAPLUS' ENTERED AT 17:19:53 ON 03 NOV 2008
L2               TRA L1 1- RN :        13 TERMS

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L3            13 SEA L2
L4             8 L3 AND NCNC3/ES AND N2C3/ES
L5               STR
L6             0 L5
L7         41513 (NCNC3 AND NZC3)/ES
L8             2 L5 SAM SUB=L7
L9           112 L5 FULL SUB=L7
               SAV TEM L9 J894/A
L10            8 L9 AND L3
L11          104 L9 NOT L10

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L12            0 L10
L13            1 L11
                 SEL HIT RN

     FILE 'REGISTRY' ENTERED AT 17:25:35 ON 03 NOV 2008
L14            1 E1
L15              STR L5
L16            1 L15 SAM SUB=L11
L17           24 L15 FULL SUB=L11
               SAV TEM J894N/A L17
L18            0 L17 AND L10

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L19            0 L17

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L20            1 L10
L21            7 L17

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     FILE 'HCAPLUS' ENTERED AT 17:30:02 ON 03 NOV 2008
L22            2 L21 AND (PD<=20040510 OR AD<=20040510 OR PRD<=20040510)
                 SEL HIT RN

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L23            6 E2-7
L24            1 L23 AND C15H12N6O

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L25            1 L24 AND L21

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L26            1 L10
L27            2 L17

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L28           88 L9 NOT L17
L29            8 L28 AND L3
L30           80 L28 NOT L29

     FILE 'HCAPLUS' ENTERED AT 17:43:56 ON 03 NOV 2008
L31           18 L30
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L32          14 L31 AND (PD<=20040510 OR AD<=20040510 OR PRD<=20040510)
                SEL HIT RN

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L33          33 E8-40

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L34           2 L30

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     FILE 'HCAPLUS' ENTERED AT 17:46:36 ON 03 NOV 2008
L35          15 L20,L32

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L36           4 L27,L34

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FILE LAST UPDATED: 2 Nov 2008  (20081102/ED)

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reclassification data for the second quarter of 2008.

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 substance identification.

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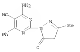
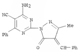
L25 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:431999 HCAPLUS
DN 133:237940
TI Reactions with 2-hydrazinopyrimidine: synthesis of some new pyrazolopyrimidines and triazolopyrimidines
AU Ibrahim, Laila I.; Faty, Rasha A. M.; Abdel-Fattah, Abdel-Samei M.
CS National Organization for Drug Control and Research, Giza, Egypt
SO Egyptian Journal of Pharmaceutical Sciences (1999), Volume Date 1998, 39(1-3), 185-195
CODEN: EJPSBZ; ISSN: 0301-5068
PB National Information and Documentation Centre
DT Journal
LA English
AB The syntheses of some new pyrazolopyrimidines and triazolopyrimidines have been achieved. Thus, substituted 2-hydrazinopyrimidine reacts with Et acetoacetate to afford the acetoacetylhydrazine or the pyrazole derivative, depending on the reaction conditions. The active methylene group of these compds. condenses with aromatic aldehydes to give the arylidene derivs. The acetoacetylhydrazine or its pyrazole analog also reacted with arenediazonium chlorides to afford coupling products. A triazolopyrimidine was obtained upon reaction of the 2-hydrazinopyrimidine with formic acid. Arylidenehydrazonbopyrimidines were prepared and underwent oxidative cyclodehydrogenation on treatment with excess bromine to give triazolopyrimidines.
IT 292623-56-4P 292623-60-0P 292623-61-1P
292623-62-2P 292623-63-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of pyrazolylpyrimidines and triazolopyrimidines from hydrazinopyrimidine)
RN 292623-56-4 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 4-amino-2-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)-6-phenyl- (CA INDEX NAME)

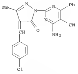


RN 292623-60-0 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 4-amino-2-[4,5-dihydro-3-methyl-5-oxo-4-(phenylmethylene)-1H-pyrazol-1-yl]-6-phenyl- (CA INDEX NAME)

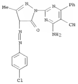


RN 292623-61-1 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 4-amino-2-[4-[(4-chlorophenyl)methylene]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]-6-phenyl- (CA INDEX NAME)

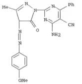
L25 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 292623-62-2 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 4-amino-2-[4-[2-(4-chlorophenyl)diazenyl]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]-6-phenyl- (CA INDEX NAME)



RN 292623-63-3 HCAPLUS
CN 5-Pyrimidinecarbonitrile, 4-amino-2-[4,5-dihydro-4-[2-(4-methoxyphenyl)diazenyl]-3-methyl-5-oxo-1H-pyrazol-1-yl]-6-phenyl- (CA INDEX NAME)



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